

| A      |                                    |
|--------|------------------------------------|
| AB     | aggregate base                     |
| ABBC   | asbestos bonded bituminous coated  |
| ABM    | air-blown mortar                   |
| Abn    | abandon                            |
| Abut   | abutment                           |
| AC     | asphalt concrete                   |
| ACB    | asphalt concrete base              |
| ACP    | asbestos cement pipe               |
| ADL    | added dead load                    |
| Adj    | adjust                             |
| AFES   | alternative flared end section     |
| Ahd    | ahead                              |
| Alt    | alternate                          |
| AM     | time from midnight to noon         |
| AP     | alternative pipe                   |
| APC    | alternative pipe culvert           |
| Approx | approximate                        |
| APU    | alternative pipe underdrain        |
| ARS    | acceleration response spectrum     |
| AS     | aggregate subbase                  |
| ASRP   | aluminum spiral rib pipe           |
| Assy   | assembly                           |
| ATPB   | asphalt treated permeable base     |
| ATPM   | asphalt treated permeable material |
| Ave    | avenue                             |
| Avg    | average                            |
| @      | at                                 |

| B       |                               |
|---------|-------------------------------|
| BAGR    | bridge approach guard railing |
| BB      | beginning of bridge           |
| B-B     | back-to-back                  |
| BC      | begin horizontal curve        |
| BCR     | begin curb return             |
| Beg     | begin                         |
| Bit Ctd | bituminous coated             |
| Bk      | back                          |
| Bkf     | backfill                      |
| Bldg    | building                      |
| BLM     | bridge-log mile               |
| Blvd    | boulevard                     |
| BM      | bench mark                    |
| Bot     | bottom                        |
| Br      | bridge                        |
| Brg     | bearing                       |
| BTU     | british thermal unit          |
| BVC     | begin vertical curve          |
| BW      | barbed wire                   |

| C    |                               |
|------|-------------------------------|
| CAA  | cable anchor assembly         |
| CAP  | corrugated aluminum pipe      |
| CAPA | corrugated aluminum pipe arch |
| CAS  | construction area sign        |
| CB   | concrete barrier              |
| CBW  | concrete black wall           |
| C-C  | center to center              |

| C continued |   |
|-------------|---|
| CG          | center of gravity                       |
| Chnl        | channel                                 |
| CI          | cast iron                               |
| CIDH        | cast-in-drilled-hole                    |
| CIP         | cast-in-place,                          |
|             | cast iron pipe                          |
| CIPCP       | cast in place concrete pipe             |
| CISS        | cast-in-steel-shell                     |
| CJP         | complete joint penetration              |
| CL          | chain link                              |
| CL-6        | chain link fence (6 ft)                 |
| CI          | class                                   |
| Cir         | clear,                                  |
|             | clearance                               |
| CM          | corrugated metal                        |
| CMP         | corrugated metal pipe                   |
| Co          | county                                  |
| Col         | column                                  |
| Conc        | concrete                                |
| Cond        | conduit                                 |
| Conn        | connector                               |
| Const       | construct,                              |
|             | construction                            |
| Cont        | continuous                              |
| Coord       | coordinate                              |
| CP          | candlepower                             |
| Cr          | creek                                   |
| CRCP        | continuous reinforced concrete pavement |
| CRSP        | concreted rock slope protection         |
| CSP         | corrugated steel pipe                   |
| CSPA        | corrugated steel pipe arch              |
| CTB         | cement treated base                     |
| CTPB        | cement treated permeable base           |
| CTPM        | cement treated permeable material       |
| Ctrs        | centers                                 |
| Culv        | culvert                                 |
| ℄           | centerline                              |

| D     |                           |
|-------|---------------------------|
| D     | depth                     |
| DD    | downdrain                 |
| Dbl   | double                    |
| Deg   | degree                    |
| Del   | delineator                |
| Det   | detail,                   |
|       | detour                    |
| DF    | douglas fir               |
| DI    | drainage inlet,           |
|       | drop inlet                |
| Dia   | diameter                  |
| Diaph | diaphragm                 |
| Dist  | distance,                 |
|       | district                  |
| DMBB  | double metal beam barrier |
| Dr    | drive                     |
| DTBB  | double thrie beam barrier |
| Dwy   | driveway                  |

| E          |                      |
|------------|----------------------|
| E          | east                 |
| Ease       | easement             |
| EB         | end of bridge,       |
|            | eastbound            |
| EC         | end horizontal curve |
| ECR        | end curb return      |
| ED         | edge drain           |
| EDC        | edge drain cleanout  |
| EDO        | edge drain outlet    |
| EDV        | edge drain vent      |
| Elec       | electroliner         |
| Elect      | electric             |
| Elev       | elevation            |
| Emb        | embankment           |
| Engr       | Engineer             |
| EOD        | edge of deck         |
| EP         | edge of pavement     |
| Eq         | equation             |
| ES         | edge of shoulder     |
| ETW        | edge of traveled way |
| EVC        | end vertical curve   |
| EW         | endwall              |
| Exc        | excavation           |
| Exist, (E) | existing             |
| Exp        | expansion,           |
|            | expressway           |
| Exp Jt     | expansion joint      |
| Ext        | exterior             |

| F     |                            |
|-------|----------------------------|
| F & C | frame and cover            |
| F & G | frame and grate            |
| FB    | floor beam                 |
| Fdn   | foundation                 |
| FEBT  | facing eastbound traffic   |
| FES   | flared end section         |
| FF    | filter fabric              |
| FG    | finished grade             |
| FH    | fire hydrant               |
| Fig   | figure                     |
| FL    | flow line                  |
| FNBT  | facing northbound traffic  |
| FOB   | free on board              |
| FOC   | face of concrete           |
| Fr Rd | frontage road              |
| FS    | far side, finished surface |
| FSBT  | facing southbound traffic  |
| Ftg   | footing                    |
| FWBT  | facing westbound traffic   |
| Fwy   | freeway                    |

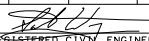
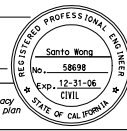
| G    |                             |
|------|-----------------------------|
| g    | acceleration due to gravity |
| Ga   | gage                        |
| Galv | galvanized                  |
| GP   | grading plane               |
| GR   | guard railing               |
| GSP  | galvanized steel pipe       |

| G continued |                        |
|-------------|------------------------|
| Gtr         | gutter                 |
| H           |                        |
| H           | height                 |
| h, hr       | hour                   |
| HD          | horizontal drain       |
| hdwl        | headwall               |
| Hex Hd      | hexagonal head         |
| HMA         | hot mixed asphalt      |
| Horiz       | horizontal             |
| HP          | hinge point,           |
|             | horsepower             |
| HPS         | high performance steel |
| HS          | high strength          |
| HW          | headwall,              |
|             | high water             |
| HWM         | high water mark        |
| Hwy         | highway                |

| I   |                 |
|-----|-----------------|
| IB  | imported borrow |
| ID  | inside diameter |
| IF  | inside face     |
| Int | interior        |
| Inv | invert          |
| Irr | irrigation      |

| J    |                                 |
|------|---------------------------------|
| Jct  | junction                        |
| JP   | joint pole                      |
| JPCP | jointed plain concrete pavement |
| JS   | junction structure              |
| Jt   | joint                           |

| K      |                    |
|--------|--------------------|
| L      |                    |
| L      | length             |
| Lat    | latitude           |
| LCB    | lean concrete base |
| Ln     | lane               |
| Loc    | location           |
| LOL    | layout line        |
| Long   | longitude          |
| Longit | longitudinal       |
| LS     | lump sum           |
| Lt     | left               |

|   |        |       |   |              |                 |
|---|--------|-------|---|--------------|-----------------|
| DIST  | COUNTY | ROUTE | POST MILES<br>TOTAL PROJECT   | SHEET<br>NO. | TOTAL<br>SHEETS |
|   |        |       |   |              |                 |
| <br>REGISTERED CIVIL ENGINEER  |        |       |  |              |                 |
| May 1, 2006   |        |       |   |              |                 |
| PLANS APPROVAL DATE   |        |       |   |              |                 |
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**General Rules:**

- Abbreviations should be upper and lower case letters.  
i.e., Misc = miscellaneous  
and Bit Ctd = bituminous coated
- Acronyms should be all upper case letters.  
i.e., BCR = begin curb return

**Units of Measurement**

(See Tables A, B and C on Standard Plan A10B)

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**ACRONYMS AND  
ABBREVIATIONS  
(SHEET 1 OF 2)**

NO SCALE

**A10A**